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CATALOGUE

OF

CUMBERLAND UNIVERSITY,

LEBANON, TENN.

1879-80.

LEBANON, TENN.:

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1880.



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UNIVERSITY FACULTY.

NATHAN GREEN,
Chancellor, and Professor of Law.

RICHARD BEARD, D.D.,
Ewing Professor of Systematic Theology.

HON. ROBERT L. CARUTHERS,
Professor of Law.

ANDREW B. MARTIN,
Professor of Law.

A. H. BUCHANAN, A.M.,
Professor of Mathematics and Civil Engineering.

W. D. McLAUGHLIN, A.M.,
Professor of Latin and Greek.

JOHN I. D. HINDS, A.M., PH.D.,
Professor of Chemistry and Natural Science.

Murdock Professor of Church History.

S. G. BURNEY, D.D.,
Professor of Biblical Literature.

R. V. FOSTER, A.M.,
Professor of Belles Lettres, Hebrew and Greek.

Adjunct Professor of Belles Lettres.

W. J. GRANNIS, A.M.,
Principal of the Preparatory School.

HERBERT W. GRANNIS, A.M.,
Professor in the Preparatory School.

A. J. BAIRD, D.D.,
Lecturer on Pastoral Work.

J. R. BROWN, D.D.,
Lecturer on Missions.

CATALOGUE OF STUDENTS.

Abbreviations—Sen., Senior Class; Jun., Junior Class; Soph., Sophomore Class; Fresh., Freshman Class; Theo., Theology; Prep., Preparatory School; Eng., Civil Engineering.

Allison, Aleck	Montgomery City, Mo.	Soph.
Alsup, John	Baird's Mill, Tenn.	Prep.
Armstrong, Robert Lee	Lebanon, Tenn.	Prep.
Ashworth, Walter	Lebanon, Tenn.	Soph.
Avent, Frank	Murfreesboro, Tenn.	Law.
Bailiff, James	Lebanon, Tenn.	Prep.
Ballard, Warren Baxter	Lebanon, Tenn.	Law.
Barbee, James Allen	Commerce, Tenn.	Prep.
Barnhill, John Taylor	Chewalla, Tenn.	Law.
Barnhill, Robert Pleasant	Chewalla, Tenn.	Law.
Barr, Ailanthus Linton	Pleasant Hope, Mo.	Theo.
Barrett, James Hill	Shelby, Tenn.	Prep.
Barry, St. Clair	Lebanon, Tenn.	Prep.
Beckwith, Charles	Lebanon, Tenn.	Theo.
Beddow, Charles Peter	Whitesides, Tenn.	Law.
Biddle, Arthur Colyar	Nashville, Tenn.	Theo.
Binckley, Charles Wilson	Charlotte, Tenn.	Jun.
Bird, Henry Clay	Princeton, Ky.	Fresh.
Bishop, Joseph L.	Nashville, Tenn.	Fresh.
Bivens, Beverly Randolph	Murfreesboro, Tenn.	Law.
Boone, William Wirt	Elkton, Ky.	Law.
Bond, Lewis Robert	Lebanon, Tenn.	Fresh.
Bolton, Wade Hampton	Wythe, Tenn.	Prep.
Brantley, Theodore	Lebanon, Tenn.	Law.
Brown, Dixon	Lebanon, Tenn.	Prep.
Brown, Robert	Lebanon, Tenn.	Prep.
Bryan, James Waters	Shop Spring, Tenn.	Soph.
Bryan, Everett Shelah	Shop Spring, Tenn.	Fresh.
Buchanan, James Cyrus	Lebanon, Tenn.	Eng.
Buchanan, Isaac William Pleasant	Lebanon, Tenn.	Prep.
Burton, Gray	Lebanon, Tenn.	Prep.
Braly, Samuel Hiram	Centre, Texas.	Theo.
Burton, Robert	Lebanon, Tenn.	Prep.
Burton, William	Lebanon, Tenn.	Prep.
Burton, John Walton	Bowling Green, Ky.	Law.

	Cantrell, Robert Lee	Lebanon, Tenn.	Prep.
	Carnth, Isaac	Lebanon, Tenn.	Prep.
	Carlock, Robert Lee	Cog Hill, Tenn.	Soph.
	Casey, Thomas Marion	Shawnee Mound, Mo.	Jun.
	Castleman, Jefferson Liston	Lebanon, Tenn.	Prep.
	Gastleman, Val.	Lebanon, Tenn.	Prep.
	Cartwright, Thomas Wilson	Lebanon, Tenn.	Prep.
	Cartwright, Junius	Lebanon, Tenn.	Prep.
	Cartwright, William	Lebanon, Tenn.	Prep.
	Cawder, William	Lebanon, Tenn.	Prep.
80	Chester, Robert I., Jr.,	Jackson, Tenn.	Law.
	Chandler, Lee	Lebanon, Tenn.	Prep.
	Coles, Peter	Lebanon, Tenn.	Prep.
	Coles, William	Lebanon, Tenn.	Prep.
	Crichlow, James	Lebanon, Tenn.	Prep.
80	Currie, William G.	Brownsville, Tenn.	Law.
	Darnall, Henry	Lebanon, Tenn.	Prep.
	Darnall, William	Lebanon, Tenn.	Prep.
80	deGraffenried, Benjamin Maury	Franklin, Tenn.	Law.
	Dickerson, James Ethridge	Pinson, Tenn.	Prep.
	Dozier, Edwin Thomas	Nashville, Tenn.	Soph.
80	Downs, Marcy <i>Finis</i>	Uvalde, Texas.	Law.
	Draper, Walter Scott	Newbern, Tenn.	Law.
	Driffoos, Harry Manly	Lebanon, Tenn.	Jun.
	Duval, James William	Curryville, Mo.	Theo.
	Eatherly, Wilson Robb	Beckwith, Tenn.	Jun.
	Fakes, Marcus Gugenheim	Lebanon, Tenn.	Prep.
80	Ferrell, George D.	Humboldt, Tenn.	Law.
	Fite, Albert	Lebanon, Tenn.	Prep.
	Fitzgerald, Joshua Willison	Jackson, Tenn.	Theo.
80	Freeman, Thomas Jones, Jr..	Trenton, Tenn.	Law.
	Galloway, Martin Luther	Hurricane Switch, Tenn.	Theo.
	Gause, Montell	Lebanon, Tenn.	Prep.
	Garrigus, Walter	Lebanon, Tenn.	Prep.
80	Gill, J. Rice	Olmstead, Ky.	Law.
	Goodbar, Erasmus Lafayette	Lebanon, Tenn.	Prep.
	Goldston, John Albert	Lebanon, Tenn.	Prep.
	Grannis, Henry Norvell	Lebanon, Tenn.	Prep.
	Green, Grafton	Lebanon, Tenn.	Prep.
	Gribble, Clingman	Lebanon, Tenn.	Prep.
	Gribble, Robert Cantrell	Lebanon, Tenn.	Prep.
	Hankins, John	Lebanon, Tenn.	Prep.
80	Harrison, Richard Henry	Waco, Texas.	Law.
	Haynes, John Bell	Chapel Hill, Tenn.	Jun.
	Height, Charles Bennett	Lebanon, Tenn.	Prep.
	Hill, Robert	Lebanon, Tenn.	Prep.
	Hines, Vandella Paul	Bowling Green, Ky.	Prep.
	Hoffman, William Paul Shaffer	Nashville, Tenn.	Prep.

Houston, Reagan	San Antonio, Texas.	Law.
Howell, George Washington	Howell's Corner, Ala.	Prep.
Hudson, William	Lebanon, Tenn.	Prep.
Hupp, Charlie Hervey	Otterville, Mo.	Prep.
Jenkins, Franklin Pierce	Aberdeen, Miss.	Law.
Johnson, William Anderson	Bellsburgh, Tenn.	Prep.
Johnson, Tilman Davis	Jordan's Valley, Tenn.	Sen.
Johnson, Vertner Repse	Allensville, Ky.	Fresh.
Keaghey, John Samuel	Burkeville, Texas.	Law.
Keathly, ^e Marshall Lafayette	Shelby, Tenn.	Prep.
Kerr, David Goodner	Merced City, Cal.	Soph.
Kirkpatrick, Currie	Lebanon, Tenn.	Prep.
Kirkpatrick, Forrest	Lebanon, Tenn.	Prep.
Kirkpatrick, Lee	Lebanon, Tenn.	Prep.
Kirkpatrick, Donnell	Lebanon, Tenn.	Prep.
Lane, Hugh Campbell	Cottage Grove, Tenn.	Jun.
Laughlin, James Alvis	Beech Grove, Tenn.	Sen.
Lester, Henry Dillon	Lebanon, Tenn.	Prep.
Lindsley, John Trimble	Nashville, Tenn.	Eng.
Logan, William Thomas	Saltillo, Tenn.	Law.
Logan, Benjamin Franklin	Logan Station, Mo.	Theo.
Long, Curtis E.	Russellville, Ky.	Theo.
Mace, Brice Martin	Lebanon, Tenn.	Law.
Mahathy, John	Lebanon, Tenn.	Prep.
Martin, Joseph	Lebanon, Tenn.	Prep.
McCorkle, Walter	Lebanon, Tenn.	Prep.
McCorkle, Owen	Lebanon, Tenn.	Prep.
McClain, Porter Samuel	Lebanon, Tenn.	Prep.
McClelland, John James	West Point, Miss.	Prep.
McDonnold, Reed Lansdon	Lebanon, Tenn.	Prep.
McDonald, James Francis	Laurel Hill, Miss.	Jun.
McGregor, Andrew	Lebanon, Tenn.	Fresh.
McGregor, John	Lebanon, Tenn.	Law.
Milligan, William P.	Gadsden, Ala.	Jun.
Milliken, Walter	Franklin, Ky.	Prep.
Montgomery, James William	Worsham, Tenn.	Fresh.
Moore, William Buchanan	Petersburg, Tenn.	Fresh.
Moore, James Monroe	Troy, Tenn.	Law.
Moore, James William	Mount Vernon, Mo.	Theo.
Mosely, Beauregard	West Point, Miss.	Jun.
Murphy, William	Lebanon, Tenn.	Prep.
Neel, Edward Thomas	Logansport, Ky.	Fresh.
Newman, George Horne	Fayetteville, Tenn.	Law.
Norman, Thomas Julian	Lebanon, Tenn.	Prep.
Nunn, Nathaniel Greene	Sydney, Ark.	Jun.
O'Connor, Grattan Emmett	Jackson, Tenn.	Law.
Oldham, William Samuel	Austin, Tenn.	Fresh.
Osment, Joseph Wilson	Lebanon, Tenn.	Prep.

	Parker, Daniel Gilbert	Dyersburg, Tenn.	Jun.
	Parker, John Neil	Dyersburg, Tenn.	Jun.
	Parks, Robert Calhoun	Lebanon, Tenn.	Theo.
80	Peck, Lafayette L.	Fairfield, Texas.	Law.
	Rudolph, Walter Scott	Gainsville, Texas.	Theo.
	Sadler, Samuel Andrew	Woods Station, Ala.	Soph.
	Sanders, Robert Henderson	Louisville, Miss.	Jun.
	Scoby, R. D.	Lebanon, Tenn.	Fresh.
	Scott, Charles Walter	Hermitage, Tenn.	Law.
	Selph, D. H.	Clifton, Tenn.	Law.
80	Shannon, William Tecumseh	Bedeia, Texas.	Law.
	Shannon, James L.	Lebanon, Tenn.	Prep.
	Shannon,		Soph.
	Sheets, William	Lebanon, Tenn.	Prep.
	Sheets, Henry	Lebanon, Tenn.	Prep.
	Smith, Charles E.	Burkeville, Texas.	Law.
80	Sherrod, Charles Morgan	Courtland, Ala.	Law.
80	Somervell, Walter	Brownsville, Tenn.	Law.
	Stewart, Donnell Ewing	Shelby, Tenn.	Prep.
80	Starnes, Valerius W.	Augusta, Ga.	Law.
	Steele, Isaac Donnell	Corinth, Miss.	Theo.
	Stephens, Armstead H.	Sherman, Texas.	Theo.
	Stratton, Thomas	Lebanon, Tenn.	Prep.
	Stratton, Samuel	Lebanon, Tenn.	Prep.
	Stratton, Arthur	Lebanon, Tenn.	Prep.
	Stratton, Houston	Lebanon, Tenn.	Prep.
	Stratton, Franciway Cossitt	Lebanon, Tenn.	Prep.
	Stratton, James Grimes	Lebanon, Tenn.	Prep.
	Stratton, Edward	Lebanon, Tenn.	Prep.
80	Tatum, George Donnell	Woodbury, Tenn.	Law.
80	Taylor, James H.	Dallas, Texas.	Law.
	Terry, Watson Gentry	Beckwith, Tenn.	Fresh.
	Trice, Bromfield Ridley	Lebanon, Tenn.	Prep.
	Trobaugh, Jesse Gardner	Shelby, Tenn.	Prep.
	Tucker, William Thomas	Tipton, Tenn.	Fresh.
	Warren, James Benjamin	Lebanon, Tenn.	Prep.
	Whately, Archibald Henry	Pine Hill, Texas.	Fresh.
	Wharton, Robert	Lebanon, Tenn.	Prep.
80	Wheeler, Charles Kennedy	Hopkinsville, Ky.	Law.
	Williamson, Pascal	Lebanon, Tenn.	Prep.
	Woolard, Robinson	Lebanon, Tenn.	Prep.
	Woolard, John	Lebanon, Tenn.	Fresh.

GENERAL SUMMARY.

Law Students.....	38
Freshmen.....	14
Sophomores.....	8
Juniors.....	13
Seniors.....	3
Theological Students.....	14
Preparing for the Ministry.....	29
Engineering.....	2
Preparatory School.....	87
Total.....	208
Counted twice	35
Net total.....	173

80

DEGREES CONFERRED.

BACHELOR OF ARTS—A.B.

Tilman Davis Johnson, ✓	James Alvis Laughlin. ✓
Total.....	2

BACHELOR OF LAWS—LL.B.

Frank Avent, ✓	Brice Martin Mace, ✓
William Wirt Boone, ✓	James Monroe Moore. ✓
Charles Peter Beddow, ✓	John McGregor, ✓
Theodore Brantley, ✓	George Horne Newman, ✓
William G. Currie, ✓	Grattan Emmett O'Connor, ✓
Robert I. Chester, ✓	Lafayette L. Peck, ✓
Finis Marcy Downs, ✓	Charles Morgan Sherrod, ✓
Benjamin Maury deGraffenried, ✓	William Tecumseh Shannon, ✓
George D. Ferrell, ✓	Walter Somervell, ✓
Thomas Jones Freeman, Jr., ✓	Valerius W. Starnes, ✓
J. Rice Gill, ✓	George Donnell Tatum, ✓
Richard Henry Harrison, ✓	James H. Taylor, ✓
Franklin Pierce Jenkins, ✓	Charles Kennedy Wheeler, ✓
William Thomas Logan, ✓	
Total.....	27

BACHELOR OF THEOLOGY—B.T.

Arthur Colyar Biddle, ✓	Benjamin Franklin Logan, ✓
James William Duval, ✓	Isaac Donnell Steele, ✓
Joshua Willison Fitzgerald, ✓	James A. B. Lovett, ✓
Martin Luther Galloway, ✓	
Total.....	7

✓ CIVIL ENGINEER—C.E.

John Trimble Lindsley.

MASTER OF ARTS—A.M.

E. E. Weir. ✓

DOCTOR OF PHILOSOPHY—PH.D.

Samuel Thomas Anderson, D.D. ✓

DOCTOR OF DIVINITY—D.D.

James M. Gill. (Conferred June, 1879.)

Marcus Beardsley Dewitt
W. Benton Harr

DOCTOR OF LAWS—LL.D.

A. B. Miller, D.D. ✓

SUMMARY OF DEGREES.

Bachelor of Arts.....	2
Bachelor of Laws.....	27
Bachelor of Theology.....	7
Master of Arts.....	1
Doctor of Philosophy.....	1
Doctor of Divinity.....	1
Doctor of Laws.....	1
Total.....	40

PREPARATORY SCHOOL.

TEACHERS.

W. J. GRANNIS, Principal.

HERBERT W. GRANNIS, Assistant.

COURSE OF STUDY.

Primary—Tuition \$10.00 per term—First Year.

Worcester's Speller; Readers No. 1 and 2—Wilson; First Lessons Mental Arithmetic; First Lessons Geography.

Primary—Tuition \$12.00 per term—Second Year.

Third Reader—Wilson; Mental Arithmetic; Worcester's Speller; Penmanship—Spencerian; Geography; Written Arithmetic.

First year—English. Tuition \$15.00 per term.

First Term.—Fifth Reader—McGuffey; Geography—Monteith; Mental Arithmetic; Written Arithmetic—Ray; Language Lessons—Swinton; Penmanship—Spencerian; Worcester's Speller.

Second Term.—U. S. History; Written Arithmetic; Analysis—Greene; Penmanship—Spencer; Worcester's Speller; Geography—Monteith.

Second year—Classical. Tuition \$18.00 per term.

First Term.—Latin Grammar—Andrews and Stoddard; Ancient Geography—Mitchell; English Grammar; Latin Reader—Andrews; Book Keeping—Mayhew.

Second Term.—Latin Reader—continued; Greek Grammar—Crosby; Physiology—Cutter; Astronomy—Lockyer; Higher Arithmetic—Davies.

Third year. Tuition \$20.00 per term.

First Term.—Cæsar; Greek Lessons—Crosby; Algebra—Olney; Physical Geography.

Second Term.—Virgil—Searing; Xenophon's Anabasis; Natural Philosophy—Avery; Algebra—Olney.

Vocal music taught without extra charge.

A contingent fee of five dollars is charged in the Classical Preparatory, three in the English Preparatory, and two in the Primary.

ACADEMIC SCHOOL.

FACULTY.

NATHAN GREEN, Chancellor.

A. H. BUCHANAN, Mathematics.

W. D. McLAUGHLIN, Latin and Greek.

J. I. D. HINDS, Natural Science and Chemistry.

R. V. FOSTER, Belles Lettres, Mental and Moral Science.

ADMISSION.

Candidates for admission to the Freshman Class must be prepared for examination in the following text-books and subjects, or their equivalents:

Latin Grammar—Andrews and Stoddard, Harkness, or Allen and Greenough; Caesar, three books; Virgil, three books; Greek Grammar—Crosby, Hadley or Goodwin; Greek Lessons—Crosby; Xenophon's Anabasis, one book; Ancient Geography; Arithmetic; Elementary Algebra; English Grammar; Modern Geography.

Candidates for admission to either of the higher classes must be prepared for examination upon the course of study for all the lower classes.

COURSES OF STUDY.

I. For the Degree of Bachelor of Arts.

Freshman Year.

First Term.—Sallust; Homer's Iliad; Algebra, parts I. and II.—Olney; Rhetoric, with written analyses; German Grammar.

Second Term.—Cicero's Orations; Herodotus; Geometry—Chauvenet; English Grammar—Fowler; German Literature.

Sophomore Year.

First Term.—Horace, Odes and Ars Poetica; Demosthenes de Corona; Surveying—Davies; Trigonometry—Chauvenet; Blair's Rhetoric, with written analyses; Declamation; French Grammar.

Second Term.—Horace, Odes and Satires; Rudens of Plautus; Xenophon's Memorabilia; General Geometry and Differential Calculus—Olney; English Literature; Logic—Jevons; Declamation; French Literature.

Junior Year.

First Term.—Livy; Lysias; General Geometry and Integral Calculus—Olney; Geometry of three dimensions—Lectures; Higher Algebra, part III.—Olney; Chemistry—Barker; Moral Science, with written analyses.

Second Term.—Tacitus, Agricola and Annals; Alcestis of Euripides; Prometheus of Æschylus; Mechanics, Hydrostatics and Pneumatics—Deschanel; Heat—Deschanel; Organic Chemistry—Watts, Lectures; Mineralogy—Collins; Botany—Wood; Political Economy.

Senior Year.

First Term.—Quintilian; Antigone of Sophocles; Electricity—Deschanel; Acoustics and Optics—Deschanel; Zoology—Nicholson; Anatomy, Human and Comparative; Lectures on Biology; Mental Science; Original addresses monthly.

Second Term.—Cicero de Officiis; Gorgias of Plato; Astronomy, with the calculation of Eclipses—Norton; Geology—Dana; Lectures on Cosmogony and the various Scientific Theories of the day; Evidences of Christianity; International Law and Constitution of the United States; Original addresses monthly.

Allen and Greenough's Latin Grammar, Andrews's Latin Exercises, Crosby's Greek Grammar, Grecian and Roman Antiquities, Histories and Boise's Greek Syntax, throughout the course.

II. For the Degree of Bachelor of Science.

Freshman Year.

First Term.—Sallust; Livy; Algebra, parts I. and II.—Olney; Rhetoric, with written analyses; German.

Second Term.—Cicero's Orations; Tacitus; Geometry—Chauvenet; English Grammar—Fowler; German.

Junior Year.

First Term.—Horace, Odes and Ars Poetica; Chemistry—Barker; Surveying—Davies; Trigonometry—Chauvenet; Moral Science, with written analyses; French.

Second Term.—Horace, Odes and Satires; Rudens of Plautus; Mineralogy; Botany—Wood; Organic Chemistry—Lectures; General Geometry and Differential Calculus—Olney; Political Economy.

Senior Year.

First Term.—Quintilian; Electricity—Deschanel; Acoustics and Optics—Deschanel; Zoology—Nicholson; Anatomy, Human and Comparative; Lectures on Biology; Mental Science; Original addresses monthly.

Second Term.—Cicero de Officiis; Astronomy, with the Calculation of Eclipses—Norton; Geology—Dana; Lectures on Cosmogony and the various Scientific Theories of the day; Evidences of Christianity; International Law and Constitution of the United States; Original addresses monthly.

III. For the Degree of Civil Engineering.

Freshman Year.

First Term.—Algebra, parts I. and II.—Olney; Rhetoric, with written analyses; Warren's Plane Projection Drawing; Church's Descriptive Geometry; French and German, optional; Moral Science, with written analyses.

Second Term.—Geometry—Chauvenet; English Grammar—Fowler; Road Engineering—Vose;* Church's Shades, Shadows and Perspective;* French and German, optional; Political Economy.

Junior Year.

First Term.—Surveying—Davies; Plane and Spherical Trigonometry—Chauv-

*Recited in the afternoon.

enet; Chemistry—Barker; Gillespie's Surveying;* Henck's Field Engineering;* Machines—Auchincloss.*

Second Term.—General Geometry and Differential Calculus—Olney; Mineralogy; Botany—Wood; Higher Surveying and Leveling—Gillespie;* Cox's Weisbach's Mechanics;* Rankine's Civil Engineering.*

Senior Year.

First Term.—General Geometry and Integral Calculus—Olney; Higher Algebra, part 111.—Olney; Electricity—Deschanel; Acoustics and Optics—Deschanel; Zoology—Nicholson; Rankine's Civil Engineering.*

Second Term.—Astronomy with Calculations of Eclipses—Norton; Geology—Dana; Evidences of Christianity; International Law and Constitution of the United States; Theory of Strains in Girders—Stoney and Merrill;* Bridge Construction, with Working Drawings and Lectures.

Drawing—Topographical, Geometrical, Mechanical, Isometrical and Architectural, with Shading and Tinting throughout the course.

Field Work—Adjustment and use of Surveying Instruments, and extensive practice in Sketching Topography.

Students recite International and Constitutional Law in the Law Department, with the Junior Law Class, to the Chancellor of the University.

IV. Course of Analytical Chemistry.

This will include Theoretical Chemistry, Qualitative and Quantitative Analysis, Blowpipe Analysis, Determination of Minerals, Volumetric and Organic Analysis and Assaying.

V. Course of Practical Astronomy.

This course embraces the various methods of observing for Time, Latitude and Longitude, and the methods of calculating these from observed data, together with the computations of Eclipses, Occultations, etc.

Text Books.—Chauvenet's Spherical and Practical Astronomy, and Astronomical Professional Papers of the United States Coast Survey.

VI. Course of Higher Practical Surveying.

In this are taught all the methods of observation and computation employed in Geodetic work, as it is now conducted in the admirable system of the United States Coast Survey.

Text Books.—Professional and Scientific papers of the United States Coast Survey, in addition to those on this subject in the Engineering Course.

Students on the last two courses will be under the direction of Prof. A. H. Buchanan. They may pursue these studies during nine months of the collegiate year, and spend the three months of vacation in actual field-work.

Prof. Buchanan is in charge of the Geodetic Survey of Tennessee, under the direction of the United States Coast Survey, and spends the time not required for his college duties, in this work. The instruments are furnished to him by the government, and are the best to be had, and the work done is the most accurate possible. Through the courtesy of the Superintendent of the Coast Survey, Prof. Buchanan is permitted to use these instruments in his class instruction.

*Recited in the afternoon.

Thus unusual facilities are afforded students in this line for observing the practical operations of Astronomy and Geodesy.

The Tennessee Base Line, from which the triangulation of the State is to be made, is situated at Lebanon. Prof. Buchanan measured it during the summer of 1877, determined its Azimuth, and the latitude of North Base, in 1878, and is now proceeding with the Primary Triangulation.

DEGREES.

The degree of Bachelor of Arts—A.B.—is conferred upon students who complete the I. course.

The degree of Bachelor of Science—B.S.—is conferred upon students who complete the II. course.

The degree of Civil Engineer—C.E.—is conferred upon students who complete the III. course.

No student can receive any one of the above degrees whose average grading for the Senior year falls below 8.

Various select courses may be pursued, for which, however, no degrees are conferred.

POST GRADUATE COURSES.

Master of Arts—A.M.

Mental Philosophy—Hamilton, Kant, Reid, Porter, Aristotle. Logic—Hamilton, Aristotle. Ethics—The Bible, Seneca, Jouffroy. Evidences of Christianity—Lardner, Chalmers, Butler. Two of the authors on each of the above subjects required. Mathematics—Descriptive Geometry, Howison's Analytic Geometry, Calculus (Diff. Int., and variations); Analytic Mechanics (Peirce or Bartlett), Astronomy (Bartlett). Natural Science—proficiency in any branch. Classics—Eclogues, Georgics, Ars Poetica, Oration of Milo, Isocrates, Livy, Philology, or one modern language mastered.

Graduates of this or any other reputable University or College in any one of the three courses—Classical, Scientific or Civil Engineering—who shall have pursued the above course systematically for two years, or who have pursued liberal or professional studies regularly for three years, as students of Law, Theology or Medicine, or who have devoted themselves for that length of time to scientific or literary pursuits, as editors, authors or teachers of the higher branches of learning, will be received as candidates for this degree.

Candidates must sustain written examinations upon the studies required, and submit theses upon such subjects as the Faculty may select, before they will be advanced to the degree of Master of Arts.

Doctor of Philosophy—Ph.D.

The candidate for this degree must be a graduate of some institution of learning, or must have received a degree in some one of the learned professions. In addition to this he will be required to pursue thoroughly one of the courses given below, to satisfy the Faculty on examination that he has made special proficiency therein, and to present an approved dissertation showing original research. A good knowledge of Greek, Latin, German and French will be required in all cases, unless, for satisfactory reasons, the candidate be excused by the Faculty.

I. Letters.

English, Latin, Greek, German and French languages—their philological re-

lations to one another and to the Indo-European family in general. Metaphysics, with its general history, Scottish Philosophy, Ethics, Politics, including Theory of Government, Constitutional Law, Principles of Law and International Law.

II. *Physics.*

Mechanics, Analytic and Synthetic; Quaternions; Geometry, Descriptive and Analytic; Calculus; Shades, Shadows and Perspective; Mechanical Drawing; Surveying, with use of instruments; Astronomy, Theoretical and Practical, with use of instruments; Geodesy; Meteorology; Sound; Heat; Light; Electricity.

III. *Chemistry.*

Chemistry—Inorganic, Organic, Physioloical and Agricultural; Qualitative and Quantitative Analysis; Blowpipe Analysis; Metallurgy; Assaying; Chemical Technology; Spectroscopy; Drawing.

IV. *Natural History and Botany.*

Biology; Zoology, recent and fossil; Human and Comparative Anatomy and Physiology; Histology; Botany, recent and fossil; Microscopy, Microscopic animals and plants; Chemical Physiology.

V. *Geology and Mineralogy.*

Geology—Lithological, Cosmical, Physiographic, Historic and Dynamic; Economic Geology; Palæontology; Mineralogy; Crystallography; Chemistry of Minerals; Blowpipe Analysis of Minerals; Metallurgy; Drawing and Sketching.

The fee for the degrees of A.M. and Ph.D., each, is \$30.00.

EXPENSES FOR SESSION OF TWENTY WEEKS.

Preparatory School, see page 11.

Classical and Scientific, Freshman and Sophomore.....	\$20.00
Classical and Scientific, Junior and Senior.....	25.00
Engineering, Freshman and Sophomore.....	35.00
Engineering, Junior and Senior.....	40.00
Contingent fee for all students.....	5.00
Laboratory fee for Junior and Senior.....	2.00
Practical Astronomy and Higher Surveying, each.....	50.00
Analytic Chemistry.....	50.00
Boarding with private families (\$3.50 per week).....	70.00
Boarding in clubs, about.....	40.00

It is thus seen that the total necessary expenses of Academic students, exclusive of books, clothing and washing, need not exceed \$100 per term of twenty weeks, and may be reduced to \$70 if the student boards in a club.

Students entering within three weeks of the opening are charged for the full term.

Candidates for the ministry are exempt from the Tuition, but are required to pay all other, fees.

If they shall ever voluntarily abandon the ministry, or shall not connect themselves with some department of church work, they will be required to remit to the Treasurer the full amount of tuition fees, according to the regular charges.

No student will be permitted to recite before matriculating, unless he has made previous arrangement with the Faculty.

AGENT.

Rev. J. D. Kirkpatrick is the agent of the Board for securing endowment and contributions. He is actively engaged in his work, and from his report to the General Assembly, it will be seen that the University is now in a better financial condition than it has ever been before. The following is taken from his report:

Productive endowment, Theological School.....	\$21,600
Productive endowment, Academic School.....	15,180—36,780
Endowment not yet productive (Academic).....	39,500
Prospective endowment, legacies to be paid at the death of the testator.....	60,000
Total endowment.....	<u>\$136,280</u>

SUGGESTIONS TO OUR PATRONS.

If possible, every student should enter the institution on the first day of each term. Minors should never be left to select their boarding house or course of studies, nor should they ever be allowed to open accounts in the stores. The general course of study has great advantages over all special courses.

LIBRARY AND READING ROOM.

The University Library contains nearly 7,000 volumes. It is open every day except Sunday. Considerable addition has been made to the Library since our last Catalogue.

CABINET OF MINERALS AND FOSSILS.

This includes many fine specimens, and additions are constantly being made. The friends of the University will confer a great favor by sending to the Professor of Natural Science anything of this kind that they can secure.

The Philosophical and Chemical apparatus is amply sufficient for the full illustration of the course.

LITERARY SOCIETIES.

There are three Literary Societies in the University, all in active operation.

PRIZE.

The Edward M. Neal prize is awarded to the best declaimer of the Preparatory School.

COLLEGE CODE.

The laws of the University are rigidly enforced, and all embraced in the motto, "Semper præsens, semper paratus."

The next term begins September 6, 1880.

LAW SCHOOL.

PROFESSORS.

ROBERT L. CARUTHERS.

NATHAN GREEN.

ANDREW B. MARTIN.

JUNIOR CLASS.

Caruthers's History of a Law Suit, Stephens's Pleading, Kent's Commentaries, Greenleaf's Evidence, first volume.*

SENIOR CLASS.

Barton's Suit in Equity, Story's Equity Jurisprudence, Bishop's Criminal Law, Parsons on Contracts.

This course may be completed in ten months. Students may begin in September or January. It is believed that every subject likely to be encountered in practice will be found treated in the course. As only ten months are required, students will be expected to enter promptly at the beginning of each term.

Those who read the Junior course privately and apply for admission to the Senior Class, with a view to graduation, will be subjected to a rigid examination. If it is approved by the Faculty, the candidates will take their places in the Senior Class on the same footing as other members. It is most earnestly urged, however, upon all who possibly can, that they enter the Junior Class. Failing to do so, they miss much of the practice and drilling in elements and in forms taught in that class every term. A license to practise and a diploma will be given to all who are graduated.

No previous reading of law or any special literary qualification will be required to enter the school. The common law, applicable in all the States, is taught, though not by lectures. The law is in the text books. The Professor can no more make law than the student himself. It is better, therefore, that the student be required to learn a portion of the text and be subjected to an examination in the presence of his class each day. It is the business of the Professor to conduct this examination, and explain difficult passages when necessary.

*The first volume of Greenleaf is a complete work on the law of evidence.

That full justice may be done to the students, two of the Professors of this Law School devote their whole time to the work. Regular lectures on the law are not delivered, as they would only divert the minds of the students from their daily work. Every subject upon which a lecture could be given has been exhausted by the ablest Professors, and printed in books after the most careful revision by the authors. We would regard it as an imposition on students, and as presumptuous on our part, to pretend that we could improve upon Kent, Story, Greenleaf, Parsons and others, who have given to the public, in printed form, and acceptable to all, lectures on every branch of the law. We, therefore, think it better for the student to occupy his time in learning, with our assistance, what others have written, than in learning from anything we could write. If our mode of teaching is more difficult for us, it is much more profitable to the student.

Moot courts constitute an important feature. Every student is required to bring suits in the forms adapted to all our courts. Professors act as judges, and students act by turns as jurors, clerk and sheriff.

There are two sessions. The first term for the years 1880-81 begins first Monday in September and ends January 20th. Second term begins January 24th and ends June 2d, 1881. Books of the Junior Class may be bought in Lebanon for \$35; Senior Class, \$45.

EXPENSES REDUCED.

Tuition fee hereafter will be for term of five months.....	\$50.00
Contingent fee.....	5.00
Boarding in families, per week.....	3.50
Boarding in clubs, per month.....	8.00
Books of Junior Class.....	35.00
Books of Senior Class.....	45.00
Washing and lights, per session.....	8 to 10
Diploma fee (for Seniors).....	5.00

Students may procure books here or bring them from home. These, however, will last a lifetime, and are needed in practice always.

Graduates are invited to remain another year free of charge.

NEW BUILDING.

A new and superb building, Caruthers Hall, has recently been completed. It has been named in honor of Judge Robert L. Caruthers, on whose ground and by whose munificence, in great part, the building was erected. Others contributed nobly, but he more than any. In this elegant structure the Law School will hereafter be conducted.

Next term begins September 6, 1880.

THEOLOGICAL SCHOOL.

FACULTY.

NATHAN GREEN, Chancellor.

RICHARD BEARD, D.D., Theology.

S. G. BURNEY, D.D., Biblical Literature.

—————, Sacred and Church History.

R. V. FOSTER, Hebrew, Greek and Biblical Theology.

LECTURES.

A. J. BAIRD, D.D., Pastoral Work.

J. R. BROWN, D.D., Missions.

COURSE OF STUDY.

Junior Year.

First Term.—Beard's Lectures in Systematic Theology, Weekly Lectures on the Divine Origin and Authenticity of the Scriptures, Bissell's Historic Origin of the Bible, Gaussen on Inspiration, Alexander on the Canon, Hebrew Grammar, Exercises in Reading and Translating, Kurtz and Smith's Old Testament History.

Second Term.—Barrow's Sacred Geography and Antiquities, Sacred Rhetoric, including the Composition and delivery of Sermons, and the Art of Extempore Speaking—Ripley, Beard's Theology, Studies in Natural Theology, Green's Hebrew Grammar, Hebrew Bible, Special Introduction to the Historical Books, Mental Philosophy, including References to Edward, Cousin, Mill, Bledsoe, Tappan and others, Greek Gospels, Winer's Grammar of the New Testament, Greek, Special Introduction to the Greek Gospels, New Testament History—Kurtz and Smith.

Senior Year.

First Term.—Butler's Analogy, Shedd's History of Christian Doctrines, Gregory's Theoretical and Practical Ethics, Wilkin's Christian Ethics Contrasted with the Pagan, Wright's Logic of Christian Evidences, Haley on the Alleged Contradictions of the Bible, Lectures on the Lives and Theological Tenets of the Ancient Church Fathers, Hebrew Grammar, Studies in Hebrew Poetry and the

Messianic Prophecies, Special Introduction to the Prophetic Books, Studies in the Greek Epistles, Special Introduction to the Epistles, Biblical Theology, History and Principles of Interpretation, Church History.

Second Term.—Hebrew and Greek Studies Continued, Biblical Theology Continued, Lectures on the Confession of Faith and Church Polity, Van Oosterzee's Practical Theology, Church History.

The student may furnish himself at Lebanon or elsewhere with the text books mentioned above. Other books will be needed from time to time; but the student will be referred, during the progress of the course, to the literature of the various subjects treated. The library contains about 7,000 volumes, and the members of the classes will be expected to consult those bearing upon the topics which they may have in hand.

EXPENSES.

Board per term, including everything.....	\$60.00
Contingent fee (payable at the beginning of the term).....	5.00
Matriculation fee (payable at the opening of the term)	5.00
Books, per term, about.....	16.00
Total.....	\$86.00

The fare in the club is good, and the management neat and orderly. No student can reasonably object to either. The matriculation fee is not paid by candidates for the ministry in the Academic classes. Board in private families, \$3.50 a week, including meals, room and fuel.

CALENDAR OF SESSIONS.

1880-1881.

First Term begins September 6, 1880; ends January 20, 1881.

Second Term begins January 24, 1881; ends June 2, 1881.

1881-1882.

First Term begins September 5, 1881; ends January 19, 1882.

Second Term begins January 23, 1882; ends June 1, 1882.





